BRUHATH BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Drilling of Borewell Providing Pumping Machineries & Electrification in Bagalagunte Ward No 14

					Est.Cost		RS	30.00	Lakhs
Sl. No.	Description Of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	Geophysical survey geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the hand pumps, MWS or PWSS by vertical electrical sounding by adopting venner or schlumbergers's method including recconnaisance suevey of geological formation Geophysical investigation of existing ground Water in the vicinity. its quality , quality & acceptabality of the users indicating the location of the site recommendeddepth of casing pipe required to seal the tope unconsolidated formation including an extra depth 1.0 metre in consolidated formation for aquire proposed to be tapped propable yield and other information required including transportation of instrument and accessories to work site, engating technical personal and labour etc.,PRE- Bangalore Circle-2012-13, Page No-47 & 48 , Item No-9.4									
		Each	4				4.00	1882.00	7528.00
2	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified.,PRE- Bangalore Circle-2012-13, Page No-46, Item No-9.1.1 to 9.1.7									
a	0.00 to 50.00 mtrs	Rmtr	4	50.00			200.00	306.00	61200.00
b	50mtr to 100.00 mtr		4	50.00			200.00	400.00	80000.00
c	100.00 to 150.00 mtr		4	50.00			200.00	445.00	89000.00
d	150.00 to 200.00 mtr		4	50.00			200.00	470.00	94000.00
e	200.00 to 250.00 mtr		4	50.00			200.00	544.00	108800.00
f	250.00 to 300.00 mtr		4	50.00			200.00	583.00	116600.00
g	300.00 to 350.00 mtr		4	50.00			200.00	622.00	124400.00
3	Supply of ISI Mark 175mm Nominal bore ,plain end steel Casing pipe- grade of steel Fee 410 of wall thickness 5.4 mm thick confirming to IS 1387/1933 and manufactured by basic open hearth electric or basic oxygen process in random lenth of 5 to 7mtrs. Both ends threaded Confirming to IS 554/1985, One end fixed with a Socket Confirming to IS 4270:2001 and the other end with Screwed pipes . All pipes shall be reasonably free from defectes. The tube shall be reasonably straight should be with ISI marking, weighing 25.10kg/mtr. (Inclusive of all taxes) (PRED,2012-13 Page No.iii, item No-84)									
a	Casing pipe	Rmt	4	60.00			240.00	1325.00	318000.00
4	Additional rate on item No. 2 is allowed for drilling in **over burden** and folling casing pipes beyond 20mtrs, rate at 15% and beyond 30mtrs 30% on basic rate of Rs.270 is allowed (PRED,2012-13 Page No48 item No-9.2.1)							43.05	1722.
a	Above 20 mtrs and Upto 30 mtrs at	Mtrs	4			10.00	40.00	40.50	~~1620.00~~
b	Above 30 mts		4			30.00	120.00	86.10	10332.00
5	Providing 175 mm dia **MS Collar** (RDED SR page ii, item86)								
		Each	4	10.00			40.00	150.00	6000.00
6	Providing 175 mm dia **MS Cap**(as per RDED SR page ii, item-85)								
		Each	4	1.00			4.00	100.00	400.00

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